



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David W. Brown

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RESPONSE TO OFFICE ACTION

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AMENDMENT AND RESPONSE

Technology Center 2100

In the Specification

Please amend the abstract as follows.

A1
A system for motion control in which an application is developed that is independent from the actual motion control hardware used to implement the system. ~~The system comprises a~~ A software system that employs an application programming interface comprising component functions and a service provider interface comprising driver functions. ~~A system programmer writes an application that calls the component functions.~~ Code associated with the component functions relates these functions to the driver functions. ~~A hardware designer writes driver code that implements the driver functions on a given motion control hardware product.~~ The driver Driver functions are separated into core and extended driver functions. All software drivers implement the core driver functions, ~~while the software drivers need not contain code for implementing and optionally implement~~ the extended driver functions. ~~If the software driver does not contain code to implement an extended driver function, the functionality of the extended driver function is~~ Extended driver functionality may be obtained through a combination of core driver functions. ~~The system programmer may also select one or more streams that allow the control commands to be communicated to, and response data to be communicated from, motion control hardware.~~

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